

Maximum Grant Request

- Projects are eligible for reimbursement up to a maximum of 80 percent of total equipment purchase costs or the cost of repower with an engine meeting the current Model Year California emission standard, whichever is less. If a repower with an engine meeting the current Model Year California emission standard is not available, up to a maximum of 80 percent of the total equipment purchase costs is eligible for funding. Retrofits are eligible for up to 100 percent of total costs, including all filters and maintenance of the filters needed during the project life, up to the cost-effectiveness limit.

Maximum Project Life-

- The maximum project life for all off-road CI equipment replacement projects is five years with the following exceptions:
 - 3 years: excavators, skid steer loaders, and rough terrain forklifts as defined in section VI of this chapter.
 - 7 years: crawler tractors, off-highway tractors, rubber tired dozers, and workover rigs as defined in section VI of this chapter.

The maximum project life for all off-road LSI equipment replacement projects is three years.

How was project life evaluated for diesel equipment?

Project life was evaluated by looking at the relative populations of uncontrolled equipment (pre-1996) in 2008, 2011 (corresponding to a 3 year project life), 2013 (corresponding to a five year project life), and 2015 (corresponding to a 7 year project life) and the rate at which those populations decreased. For a majority of equipment the turnover rate and equipment population warranted a five year project life and for other equipment the turnover rate and population warranted a longer or shorter project life. In circumstances in which there is a high rate of equipment turnover and a relatively high population of equipment in the inventory, a three year project life was given. In circumstances in which the equipment has a long median life, therefore a slow rate of turnover, and a large population of uncontrolled equipment in the 2015 population a seven year project life was given.

The table below shows examples of type of data used to determine 3, 5, and 7 year project lives. For example, approximately 50 percent of the population of uncontrolled skid steer loaders in 2008 will turn over due to normal attrition by 2011. If a five year project life was given, approximately 70 percent of the uncontrolled skid steer loaders would have turned over by normal attrition by 2013. Because of the high turnover due to attrition and relatively large population of uncontrolled skid steer loaders in 2013, a three year project life was given. In contrast, approximately 80 percent of the uncontrolled rubber tired dozers in the population in 2008 still exist in the population in 2013. In addition, 90 percent of the uncontrolled rubber tired dozers in the 2013 population still exist in the 2015 population. In 2015, uncontrolled rubber tired dozers are still 35 percent of the overall population of rubber tired dozers. The high relative population of uncontrolled rubber tired dozers in the 2015 population along with the slow turnover rate of the equipment merits a 7 year project life.

equipment	total 2008 population	uncontrolled population in 2008	% of 2008 population that is uncontrolled	total 2011 population	uncontrolled population in 2011	% of 2011 population that is uncontrolled	total 2013 population	uncontrolled population in 2013	% of 2013 population that is uncontrolled	total 2015 population	uncontrolled population in 2015	% of 2015 population that is uncontrolled	project life
Skid Steer Loaders	30,697	3,292	11%	32,255	1,678	5%	33,295	1,010	3%	34,334	528	2%	3
Rubber Tired Loaders	20,628	7,688	37%	21,676	5,670	26%	22,374	4,343	19%	23,073	3,156	14%	5
Rubber Tired Dozers	887	473	53%	932	419	45%	962	381	40%	993	344	35%	7